

# Battery Performance Data



IEEE/UL Battery  
Sizing by  
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## Constant Power Discharge Performance Data



### Constant Power (Watts per cell) at 25°C/77°F to 1.75Vpc

Battery Type	Standby Time ( Minutes)																			
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	30	45	60
12XE760-FR	1244	1148	976	860	773	703	644	594	550	513	483	456	432	410	391	374	309	230	171	136
12XE1040-FR	1481	1307	1184	1073	981	902	836	779	731	695	663	633	605	579	556	533	441	333	246	195
12XE1010F-FR	1178	1178	1127	1039	963	898	840	790	745	704	673	644	617	592	570	549	462	353	266	214
12XE1110F-FR	1262	1262	1228	1141	1066	1000	942	890	843	802	766	733	703	675	649	626	530	410	308	246
12XE1150F-FR	1588	1399	1274	1180	1107	1045	993	944	898	856	818	783	750	721	693	667	560	426	316	251

### Constant Power (Watts per cell) at 25°C/77°F to 1.70Vpc

Battery Type	Standby Time ( Minutes)																			
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	30	45	60
12XE760-FR	1385	1279	1073	931	824	744	679	624	577	536	501	473	447	424	404	385	317	235	173	138
12XE1040-FR	1564	1445	1330	1195	1084	993	914	846	788	736	696	662	632	604	578	554	453	336	246	195
12XE1010F-FR	1278	1278	1216	1146	1052	973	904	844	791	744	702	667	637	610	585	562	470	357	266	214
12XE1110F-FR	1388	1388	1312	1243	1152	1073	1005	945	891	843	799	761	728	697	669	643	540	413	308	246
12XE1150F-FR	1588	1540	1384	1272	1186	1115	1054	1001	952	906	863	823	787	754	723	694	577	434	317	251

### Constant Power (Watts per cell) at 25°C/77°F to 1.67Vpc

Battery Type	Standby Time ( Minutes)																			
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	30	45	60
12XE760-FR	1425	1327	1121	967	851	764	695	638	589	547	511	480	454	431	409	390	320	237	174	138
12XE1040-FR	1612	1502	1389	1264	1141	1040	955	882	817	761	712	675	643	613	586	560	457	336	246	195
12XE1010F-FR	1329	1322	1244	1177	1097	1010	935	870	813	762	717	676	645	616	590	566	472	357	266	214
12XE1110F-FR	1457	1432	1343	1270	1195	1109	1035	970	913	860	814	772	737	705	676	649	541	413	308	246
12XE1150F-FR	1588	1588	1444	1322	1228	1151	1086	1028	977	929	884	842	803	768	735	705	583	434	317	251

### Constant Power (Watts per cell) at 25°C/77°F to 1.65Vpc

Battery Type	Standby Time ( Minutes)																			
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	30	45	60
12XE760-FR	1449	1347	1149	988	866	775	704	645	595	553	516	484	457	434	412	393	321	238	174	139
12XE1040-FR	1612	1539	1418	1307	1177	1070	980	902	835	775	723	681	648	617	589	563	457	336	246	195
12XE1010F-FR	1362	1347	1262	1190	1125	1032	953	885	825	772	724	683	648	619	592	568	472	357	266	214
12XE1110F-FR	1503	1460	1361	1284	1218	1130	1052	985	923	869	820	777	740	708	678	650	542	413	308	246
12XE1150F-FR	1588	1588	1480	1353	1254	1174	1105	1045	991	942	896	852	812	775	741	710	586	434	317	251



## Constant Power Discharge Performance Data

### Constant Power (Watts per cell) at 25°C/77°F to 1.63Vpc

Battery Type	Standby Time ( Minutes)																			
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	30	45	60
12XE760-FR	1466	1366	1174	1005	879	784	711	651	601	557	520	487	460	436	414	395	322	238	174	139
12XE1040-FR	1612	1574	1444	1335	1211	1098	1003	921	850	788	733	686	651	620	591	564	457	336	246	195
12XE1010F-FR	1393	1369	1277	1202	1137	1051	969	897	835	780	731	688	650	620	594	569	472	357	266	214
12XE1110F-FR	1528	1486	1379	1295	1227	1149	1068	996	932	875	825	781	742	709	678	651	542	413	308	246
12XE1150F-FR	1588	1588	1514	1382	1280	1195	1123	1061	1004	953	905	860	819	781	746	714	586	434	317	251

### Constant Power (Watts per cell) at 25°C/77°F to 1.60Vpc

Battery Type	Standby Time ( Minutes)																			
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	30	45	60
12XE760-FR	1489	1388	1204	1025	894	795	718	657	605	561	523	490	462	437	415	395	323	239	175	139
12XE1040-FR	1612	1574	1482	1365	1258	1136	1034	947	870	803	745	694	654	621	591	564	457	336	246	195
12XE1010F-FR	1443	1403	1297	1216	1147	1077	989	914	848	790	738	693	653	621	594	569	472	357	266	214
12XE1110F-FR	1528	1521	1401	1310	1237	1172	1085	1008	940	882	831	785	744	710	679	651	542	413	308	246
12XE1150F-FR	1588	1588	1555	1423	1313	1224	1148	1081	1021	967	916	870	827	787	751	718	586	434	317	251

### Constant Power (Watts per cell) at 25°C/77°F to 1.55Vpc

Battery Type	Standby Time ( Minutes)																			
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	30	45	60
12XE760-FR	1516	1404	1234	1044	905	803	724	661	608	564	525	492	462	438	416	396	323	239	175	139
12XE1040-FR	1612	1574	1515	1407	1301	1192	1078	980	896	821	754	698	655	621	591	564	457	336	246	195
12XE1010F-FR	1496	1454	1325	1234	1159	1093	1015	933	862	799	743	695	653	621	594	569	472	357	266	214
12XE1110F-FR	1528	1528	1430	1328	1249	1179	1100	1018	948	887	834	787	745	710	679	651	542	413	308	246
12XE1150F-FR	1588	1588	1588	1477	1364	1265	1181	1109	1043	984	930	880	834	792	754	719	586	434	317	251

### Constant Power (Watts per cell) at 25°C/77°F to 1.50Vpc

Battery Type	Standby Time ( Minutes)																			
	0.5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	30	45	60
12XE760-FR	1516	1406	1234	1048	907	803	724	661	609	564	525	492	463	438	416	396	323	239	175	139
12XE1040-FR	1612	1574	1515	1441	1326	1228	1111	1004	906	823	754	698	655	621	591	564	457	336	246	195
12XE1010F-FR	1496	1496	1350	1243	1164	1095	1032	944	866	799	743	695	653	621	594	569	472	357	266	214
12XE1110F-FR	1528	1528	1453	1338	1254	1181	1106	1022	951	888	834	787	745	710	679	651	542	413	308	246
12XE1150F-FR	1588	1588	1588	1518	1402	1299	1209	1129	1059	996	938	884	835	792	754	719	586	434	317	251



**EnerSys World Headquarters**  
 2366 Bernville Road, Reading,  
 PA 19605, USA  
 Tel: +1-610-208-1991 /  
 +1-800-538-3627

**EnerSys EMEA**  
 EH Europe GmbH,  
 Baarerstrasse 18,  
 6300 Zug  
 Switzerland

**EnerSys Asia**  
 152 Beach Road,  
 Gateway East Building #11-08,  
 Singapore 189721  
 Tel: +65 6416 4800

Contact: